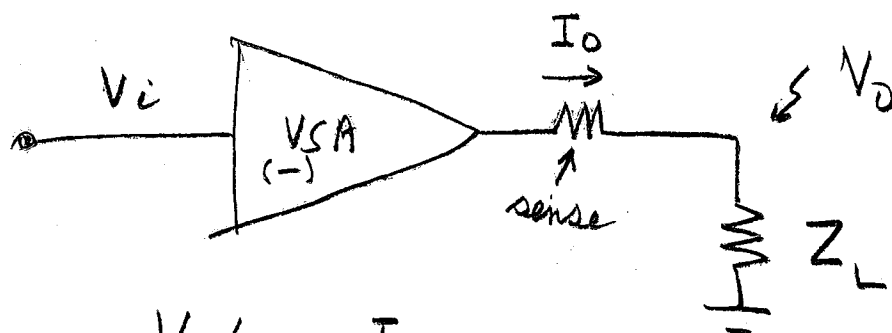
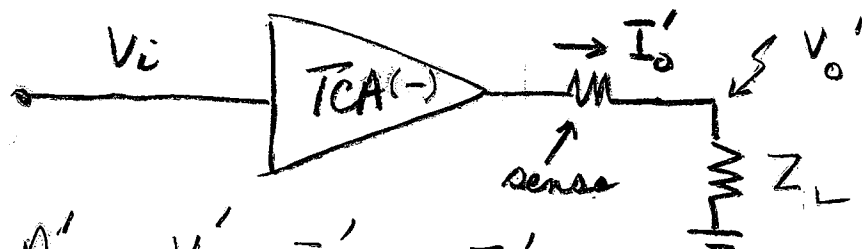


- Building block = VSA by itself



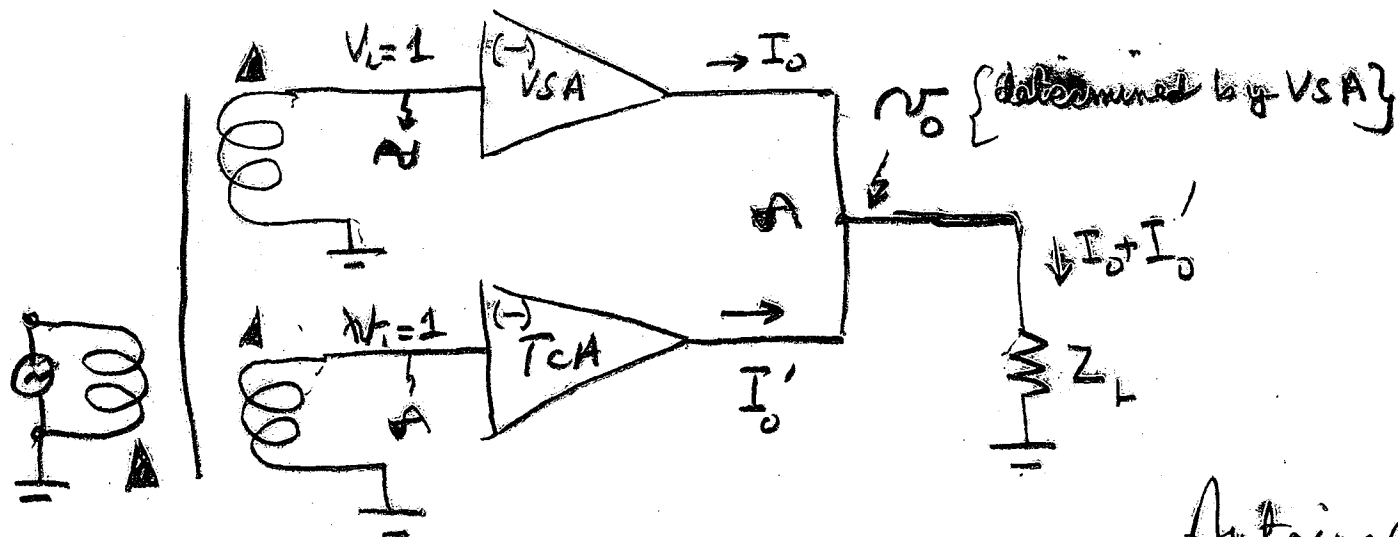
$$\frac{V_o}{V_i} = A_v, \quad V_o/Z_L = I_o, \quad \frac{I_o}{V_i} = g_m$$

- Building block = TCA by itself



$$\frac{V_o'}{V_i} = A_v', \quad \frac{V_o'}{Z_L} = I_o', \quad \frac{I_o'}{V_i} = g_m$$

- VSA & TCA together \equiv Compound Power Amp
Let $V_i = 1$, VSA & TCA \equiv ACA units. Note phase.



Antoine
8/11/12